

# **User Defined File (UDF) Format**

**for  
Federal Implementation Guideline for  
Electronic Data Interchange**

**ASC X12 003050 Transaction Set 864  
Text Message**

**Implementation Convention**

**April 1996 Release**

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**User Defined File (UDF) Format  
for  
Federal 864 Transaction Set**  
April 19, 1996 Release

This document provides the structure of the User Defined File (UDF) used by the EDI translator to produce the 864 transaction set to electronically move messages, questions, explanations, and other one-time communications. The 864 transaction set is compliant with the ANSI Standards Committee (ASC) X12 3050 standard. The 864 transaction set is also compliant with the current Federal Government Convention (Dated - March 1996). This UDF supports every segment and data element specified in the Federal Government Convention. The UDF supports each of the data elements at their maximum size in the Federal Government Convention.

Any optional records for which the application program producing this UDF does not have data will not appear in the UDF. For example, if there is not an "Administrative Communications Contact" which is not tied to an organization, there will not be a record with the Record ID of "28" in the UDF. All optional fields, in a record which is present for which the application program does not have data, are filled with spaces. All mandatory fields for an optional record must have a value if the record is generated. Conditional fields for a generated record must be present or absent based on the conditions specified in the convention.

Alphanumeric fields are identified in the format column by an "X" followed by the length of the field enclosed in parentheses. All alphanumeric fields are left justified with trailing spaces to fill the field.

Numeric fields are identified in the format column by a "9" followed by the length of the field enclosed in parentheses. All numeric fields are right justified with leading zeroes to fill the field. For numeric fields, only negative signs will be transmitted; positive signs will not be transmitted. In the UDF, the sign will be placed in the leftmost position of the field and will contain a "-" for negative numbers and a "0" for positive numbers. To accommodate the sign, the field's length will be one (1) character longer than the element size specified in the Convention.

For numeric fields containing numbers with a fixed number of decimal positions where the decimal point is not transmitted (e.g., a data element with format of "N2"), the decimal point is not present in the UDF. In order to express the implied fixed

decimal point position, a "v" followed by a "9" for each decimal position is found in the format column after the parentheses and the length of the field expressed within the parentheses is decreased by the number of fixed decimal positions. For integers, however, the implied decimal point position need *not* be annotated in the format column using the "v" notation described above because it is understood that there are *no* decimal positions.

For numeric fields containing numbers with a varying number of decimal positions and where decimal positions must be transmitted (e.g., a data element with format of "R15"), the decimal point must be present in the UDF although it is not counted in the length of the field. To accommodate the decimal point, the field's length will be one (1) character longer than the element size specified in the Convention. This is *in addition to* the added character to accommodate the sign. For these types of fields, the field's total length will be two (2) characters longer than the element size specified in the Convention.

All records are described in ascending Record ID number. Any numbers for which there is not a record described are reserved for future use if additional records are needed. The reserved numbers have been selected to minimize the chances that the addition of a new record will require the renumbering of existing records. This minimizes the probability that the existing programs producing the UDF will need to be modified unless the application needs to use the new record.

### ***Document Header Records***

These records are used to generate the segments in Table 1 of the 864 transaction set.

#### **"00" Record - Envelope Data/Information**

This record provides envelope information about an inbound 864 transaction. This record is created by specifying the "0" option on the command line when invoking the translator for an inbound translation. **THIS RECORD WILL ONLY EXIST FOR INBOUND UDFs.**

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/ Comments</u>
01	01 - 16	X(16)	Trading Partner Code.
02	17 - 18	X(2)	Record ID of "00".
03	19 - 20	X(2)	GS01 Field Document Code.
04	21 - 35	X(15)	GS02 Sender's Application Code.
05	36 - 50	X(15)	GS03 Receiver's Application Code.
06	51 - 56	YYMMDD	GS04 Function Group Date.
07	57 - 62	HHMM	GS05 Function Group Time. The last two positions of this field are blank.
08	63 - 71	X(9)	GS06 Group Control Number.
09	72 - 73	X(2)	GS07 Responsible Agency Code.
10	74 - 85	X(12)	GS08 Version and Release Number.
11	86 - 88	X(3)	ISA = IC Header ID.
12	89 - 89	X(1)	Delimiter (Data Separator).
13	90 - 91	X(2)	ISA01 Authorization Qualifier (BG01/ICS01).

14	92 - 92	X(1)	Delimiter (Data Separator).
15	93 - 102	X(10)	ISA02 Authorization Information (BG02/ICS02).
16	103 - 103	X(1)	Delimiter (Data Separator).
17	104 - 105	X(2)	ISA03 Security Qualifier (BG03/ICS03).
18	106 - 106	X(1)	Delimiter.
19	107 - 116	X(10)	ISA04 Security Information (BG04/ICS04).
20	117 - 117	X(1)	Delimiter.
21	118 - 119	X(2)	ISA05 Interchange Send er Qualifier (BG05/ICS05).
22	120 - 120	X(1)	Delimiter.
23	121 - 135	X(15)	ISA06 Interchange Sender ID (BG06/ICS06).
24	136 - 136	X(1)	Delimiter.
25	137 - 138	X(2)	ISA07 Interchange Receiver Qualifier (BG07/ICS07).
26	139 - 139	X(1)	Delimiter.
27	140 - 154	X(15)	ISA08 Interchange Receiver ID (ICS08).
28	155 - 155	X(1)	Delimiter.
29	156 - 161	YYMMDD	ISA09 Date of Translation (ICS09).
30	162 - 162	X(1)	Delimiter.
31	163 - 166	X(4)	ISA10 Hour of Translation (ICS10).
32	167 - 167	X(1)	Delimiter.

33	168 - 168	X(1)	ISA11 Interchange Standard ID (ICS11).
34	169 - 169	X(1)	Delimiter.
35	170 - 174	X(5)	ISA12 ANSI Version Number (ICS12).
36	175 - 175	X(1)	Delimiter.
37	176 - 184	X(9)	ISA13 Interchange Control Number.
38	185 - 185	X(1)	Delimiter.
39	186 - 186	X(1)	ISA14 Acknowledgement Flag.
40	187 - 187	X(1)	Delimiter.
41	188 - 188	X(1)	ISA15 Test Indicator.
42	189 - 189	X(1)	Delimiter.
43	190 - 190	X(1)	Sub Element Separator.

## "01" Record - Trading Partner/Text Message Information

This record provides information about the set of records used to create an 864 transaction. This record also contains fields that map to the 1/BMG/020 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "01".
02	03 - 13	X(11)	Trading Partner ID. The DUNS Number, CAGE Code or DODAAC to whom this transaction will be sent.
03	14 - 16	X(3)	Transaction Standard ID. Identifies the type of transaction set/message that will be developed for this set of records. Must contain one of the following literals: "864" - ANSI X12 864 transaction set. "TBD" - UN/EDIFACT message to be identified later.
04	17 - 17	X(1)	Version. Identifies the version of the transaction set/message that will be developed for this set of records. Must contain one of the following literals: "F" - ANSI X12 3050 or UN/EDIFACT 95A. "G" - ANSI X12 3060 or UN/EDIFACT 96A. "H" - ANSI X12 3070 or UN/EDIFACT 97A. "T" - Test transaction.
05	18 - 32	X(15)	Application ID. A unique identifier for the program that created this group of records used to generate the transaction set.

06	33 - 40	CCYYMMDD	Date. Date this group of records was added to the UDF.
07	41 - 48	HHMMSSDD	Time. Time that this group of records was added to the UDF. "DD" is for hundredths of a second.
08	49 - 50	X(2)	Transaction Set Purpose Code. See BMG01 data element.
09	51 - 130	X(80)	Description. See BMG02 data element.



## "09" Record - Date/Time Reference

This record maps to the 1/DTM/030 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "09".
02	03 - 05	X(3)	Date/Time Qualifier. See DTM01 data element.
03	06 - 11	YYMMDD	Date. See DTM02 data element.
04	12 - 15	HHMM	Time. See DTM03 data element.

### **Organization/Location Loop**

The following set of records identify the Sending and Receiving Organizations.

#### **"25" Record - Organization/Location Identification**

This record maps to the 1/N1/040 segment and two instances of the 1/N2/050 and 1/N3/060 segments.

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/ Comments</u>
01	01 - 02	X(2)	Record ID. Must contain the literal "25".
02	03 - 04	X(2)	Entity Identifier Code. See N101 data element.
03	05 - 39	X(35)	Name. See N102 data element.
04	40 - 41	X(2)	Identification Code Qualifier. See N103 data element.
05	42 - 61	X(20)	Identification Code. See N104 data element.
06	62 - 96	X(35)	Additional Name 1. See N201 data element.
07	97 - 131	X(35)	Additional Name 2. See N202 data element.
08	132 - 166	X(35)	Additional Name 3. See N201 data element.
09	167 - 201	X(35)	Additional Name 4. See N202 data element.
10	202 - 236	X(35)	Address Information 1. See N301 data element.
11	237 - 271	X(35)	Address Information 2. See N302 data element.
12	272 - 306	X(35)	Address Information 3.

See N301 data element.

13	307 - 341	X(35)	Address Information 4. See N302 data element.
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## "26" Record - Geographic Location

This record maps to the 1/N4/070.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record I D. Must contain the literal "26".
02	03 - 32	X(30)	City Name. See N401 data element.
03	33 - 34	X(2)	State or Province code. See N402 data element.
04	35 - 45	X(11)	Postal Code. See N403 data element.
05	46 - 48	X(3)	Country Code. See N404 data element.

## "27" Record - Reference Number

This record maps to the 1/REF/080 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "27".
02	03 - 04	X(2)	Reference Number Qualifier. See REF01 data element.
03	05 - 34	X(30)	Reference Number. See REF02 data element.
04	35 - 114	X(80)	Description. See REF03 data element.

## "28" Record - Administrative Communications Contact

This record maps to the 1/PER/090 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "28".
02	03 - 04	X(2)	Contact Function Code. See PER01 data element.
03	05 - 39	X(35)	Name. See PER02 data element.
04	40 - 41	X(2)	Communication Number 1 Qualifier. See PER03 data element.
05	42 - 121	X(80)	Communication Number 1. See PER04 data element.
06	122 - 123	X(2)	Communication Number 2 Qualifier. See PER05 data element.
07	124 - 203	X(80)	Communication Number 2. See PER06 data element.
08	204 - 205	X(2)	Communication Number 3 Qualifier. See PER07 data element.
09	206 - 285	X(80)	Communication Number 3. See PER08 data element.
10	286 - 305	X(20)	Contact Inquiry Reference. See PER09 data element.

### ***Document Detail Records***

These records are used to generate the segments in Table 2 of the 864 transaction set.

#### **"46" Record - Message Identification**

This record maps to the 2/MIT/010 segment.

<u>Field Number</u>	<u>Position Start - End</u>	<u>Format</u>	<u>Field Name/ Comments</u>
01	01 - 02	X(2)	Record ID. Must contain the literal "46".
02	03 - 32	X(30)	Reference Number. See MIT01 data element.
03	33 - 112	X(80)	Description. See MIT02 data element.

## "90" Record - Message Text

This record maps to the 2/MSG/080 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "90".
02	03 - 266	X(264)	Free Form Text Message. See MSG01 data element.
03	267 - 268	X(2)	Printer Carriage Control Code. See MSG02 data element.



## Document Summary Record

This record is used to generate the segments in Table 3 of the 864 transaction set. **THIS RECORD WILL ONLY EXIST FOR INBOUND UDFs.**

### "99" Record - Transaction Set Trailer

This record maps to the 3/SE/010 segment.

Field Number	Position Start - End	Format	Field Name/ Comments
01	01 - 02	X(2)	Record ID. Must contain the literal "99".
02	03 - 11	X(9)	Transaction Set Control Number. See SE02 data element.